

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No. MO-0004979

Owner: City of Columbia
Address: 701 East Broadway, Columbia, MO 65201

Continuing Authority: Same as above
Address: Same as above

Facility Name: Columbia Municipal Power Plant
Address: 1501 Business Loop 70 East, Columbia, MO 65201

Legal Description: Outfall #001-NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 7, T48N, R12W, Boone County
Outfall #002-SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 6, T48N, R12W, Boone County

Receiving Stream: Unnamed tributary to Bear Creek (U)

First Classified Stream and ID: Bear Creek (C) (01015)

USGS Basin & Sub-watershed No.: (10300102-110005)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

Outfall #001-POTW/Power Plant-SIC #4911
Non-contact cooling water/coal pile
stormwater runoff/ash pit sump
disinfection/sludge is land applied.
Design flow is 0.075 MGD.
Instream Monitoring - One quarter mile downstream of plant.

Outfall #002-POTW/Power Plant-SIC #4911
Settling basin/steam boilers and cooling
tower blowdown/plant drains/ash sluice/
coal pile runoff
Design flow is 0.87 MGD.

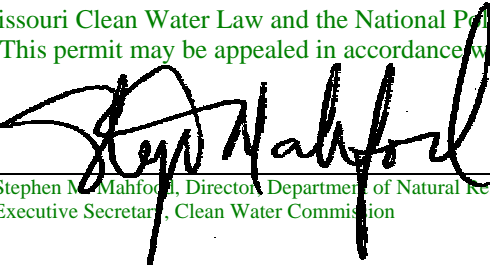
This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

June 25, 2004

Effective Date

March 17, 2009

Expiration Date
MO 780-0041 (10-93)



Stephen M. Mahford, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

Jim Hull, Director of Staff, Clean Water Commission

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 2 of 3	
					PERMIT NUMBER MO-0004979	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfall #001</u>						
Flow	MGD	*		*	once/month	24 hr. estimate
Free Available Chlorine	mg/L	0.5		0.2	once/month	grab
Total Residual Chlorine	mg/L	*		*	once/quarter	grab
Total Suspended Solids	mg/L	50		50	once/month	grab
Oil and Grease	mg/L	20		15	once/month	grab
Temperature***	°F	90°		90°	once/month	grab
pH - Units	SU	**		**	once/month	grab
Sulfate	mg/L	*		*	once/quarter	grab
<u>Outfall #002</u>						
Flow	MGD	*		*	once/month	24 hr. estimate
Copper, Total Recoverable	mg/L	1.0		1.0	once/month	grab
Sulfate	mg/L	*		*	once/quarter	grab
Iron, Dissolved	mg/L	1.0		1.0	once/month	grab
Iron Total Recoverable	mg/L	*		*	once/month	grab
Free Available Chlorine	mg/L	0.5		0.2	once/month	grab
Total Residual Chlorine	mg/L	*		*	once/quarter	grab
Total Suspended Solids	mg/L	100		30	once/month	grab
Temperature***	°F	90°		90°	once/month	grab
Oil and Grease	mg/L	20		15	once/month	grab
pH - Units	SU	**		**	once/month	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>October 28, 2004</u> .						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont.)					PAGE NUMBER 3 of 3	
					PERMIT NUMBER MO-0004979	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Instream Monitoring</u> - ¼ mile downstream of the plant	°F					
Temperature***		*		*	once/month	grab
Color (Note 2)		*		*	once/month	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>October 28, 2004</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.
- *** Effluent shall not elevate or depress the temperature of the receiving stream beyond the mixing zone more than five (5°)F. The stream temperature beyond the mixing zone shall not exceed ninety (90°)F due to the effluent.

Note 1 - Reserved

Note 2 - Note the color of the stream such as clear, black, etc.